

**SEARCH REQUEST FORM Scientific and Technical Information Center - EIC2800**  
Rev. 3/15/2004 This is an experimental format -- Please give suggestions or comments to Jeff Harrison, JEF-4B68, 272-2511.

Date 5/18/04 Serial # 091998467 Priority Application Date \_\_\_\_\_  
 Your Name M. Lewis Examiner # \_\_\_\_\_  
 AU 2822 Phone 292-1838 Room 5A30  
 In what format would you like your results? Paper is the default. PAPER DISK EMAIL

If submitting more than one search, please prioritize in order of need.

The EIC searcher normally will contact you before beginning a prior art search. If you would like to sit with a searcher for an interactive search, please notify one of the searchers.

Where have you searched so far on this case?

05-19-04 8:10:32 IN

Circle: USPT DWPI EPO Abs JPO Abs IBM TDB

Other: \_\_\_\_\_

What relevant art have you found so far? Please attach pertinent citations or Information Disclosure Statements. \_\_\_\_\_

What types of references would you like? Please checkmark:

Primary Refs  Nonpatent Literature  Other \_\_\_\_\_  
 Secondary Refs  Foreign Patents  \_\_\_\_\_  
 Teaching Refs  \_\_\_\_\_

What is the topic, such as the **novelty**, motivation, utility, or other specific facets defining the desired **focus** of this search? Please include the concepts, synonyms, keywords, acronyms, registry numbers, definitions, structures, strategies, and anything else that helps to describe the topic. Please attach a copy of the abstract and pertinent claims.

Claims 1-4

Problem: see page 1-2  
Solution " " 2-4

US 4,901,363  
JP 406077233 - Yamashita

Staff Use Only

Searcher: L. Peckard  
 Searcher Phone: \_\_\_\_\_  
 Searcher Location: STIC-EIC2800, JEF-4B68  
 Date Searcher Picked Up: 5/26/04  
 Date Completed: 8/26/04  
 Searcher Prep/Rev Time: 170  
 Online Time: 200

Type of Search

Structure (#) \_\_\_\_\_  
 Bibliographic   
 Litigation \_\_\_\_\_  
 Fulltext \_\_\_\_\_  
 Patent Family   
 Other

Vendors

STN   
 Dialog   
 Questel/Orbit \_\_\_\_\_  
 Lexis-Nexis \_\_\_\_\_  
 WWW/Internet \_\_\_\_\_  
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26may04 11:01:38 User267149 Session D1414.1

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\*File 350: For more current information, include File 331 in your search. Enter HELP NEWS 331 for details.

File 347:JAPIO Nov 1976-2004/Jan(Updated 040506)  
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\*File 347: JAPIO data problems with year 2000 records are now fixed. Alerts have been run. See HELP NEWS 347 for details.

File 344:Chinese Patents Abs Aug 1985-2004/Mar  
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File 371:French Patents 1961-2002/BOPI 200209  
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\*File 371: This file is not currently updating. The last update is 200209.

Set	Items	Description
S1	7163	SEMICONDUCT?(3N)(BALL? ? OR BUMP? ? OR POST? ? OR SPHERE?)
S2	4298857	(INTEGRAT????????(3N)(CIRCUIT???????? OR LOOP? ?)) OR IC OR CHIP? ? OR LEAD? ? OR FRAME? ?
S3	50708	(CHIP? ? OR LEAD? ?)(3N)FRAM?
S4	4298857	S2:S3
S5	105384	(THERMOL? OR THERMAL? OR PREHEAT? OR MELT? OR FUSE? OR FUS- ING? ? OR FUSION?)(3N)(ADHESI? OR ADHERE? OR STICK? OR CLING? OR BOND? OR CEMENT? OR CONGLUTIN? OR AGGLUTIN? OR MUCILAG? OR TACK? OR GLUE? OR GLUING? OR PASTE? OR PASTING? OR G...
S6	156747	(HEAT? OR WARM? OR HOT? OR CALEFACT? OR TORREFACT? OR PYRO- L? OR SINTER? OR CALCIN? OR AUTOCLAV?)(3N)(ADHESI? OR ADHERE? OR STICK? OR CLING? OR BOND? OR CEMENT? OR CONGLUTIN? OR AGGL- UTIN? OR MUCILAG? OR TACK? OR GLUE? OR GLUING? OR PAS...
S7	234088	S5:S6
S8	4400831	PIT????? OR MICROPIT? OR DEPRESSION? OR INDENT? OR MICROIN- DENT? OR CONCAV? OR CAVIT? OR INCURVAT? OR HOLLOW? OR HOLE? OR POCK? OR MICROPOCK? OR CRATER? OR MICROCRATER? OR DENT? OR D- INT? OR DIMPLE? OR RECESS?
S9	4797	(INVERT? OR REVERS? OR TURN? OR SHORTEN? OR CUT OR TRUNCAT- ?) (3N)PYRAMID?
S10	12114	GUIDE?()SURFACE?
S11	50460	INCLIN?(3N)SURFACE?
S12	45001	OPEN?(3N)EDGE?
S13	9589	SEMICONDUCT?(3N)(SIZE?? OR SIZING)
S14	32767	SEMICONDUCT? AND (SIZE?? OR SIZING)(3N)(REDUC? OR SMAL? OR LESS? OR DIMINISH?)
S15	39596	S13:S14
S16	75185	(IMPROV? OR BETTER)(3N)YIELD
S17	4177	S1 AND S4
S18	190	S17 AND S7
S19	54	S18 AND S8
S20	0	S19 AND S9
S21	0	S19 AND S10
S22	0	S19 AND S11
S23	0	S19 AND S12
S24	5	S19 AND S15
S25	5	RD (unique items)
S26	49	S19 NOT S25
S27	0	S26 AND S16
S28	49	RD S26 (unique items)
S29	49	S28 AND S2
S30	0	S29 AND S3
S31	24	S29 AND S5
S32	25	S29 NOT S31
S33	25	S32 AND S6
S34	279	S7 AND S1
S35	73	S34 AND S8
S36	5	S35 AND S15
S37	0	S36 NOT S19
S38	19	S35 NOT S19
S39	19	RD (unique items)
S40	0	S39 AND S9
S41	0	S39 AND S4
S42	0	S39 AND (S10 OR S11 OR S12 OR S16)
S43	19	S39